



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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March 24, 1998

Don Fullmer
Paradise Management Company
1025 North Main
Fillmore, Utah 84631

Re: Request for Permit Transfer Information, Don Fullmer, Koosharem Mine, M/031/002, Piute County, Utah

Dear Mr. Fullmer:

This letter is in response to your letter received by the Division on February 9, 1998, and phone conversation of March 11, 1998, regarding the proposed transfer of the existing permit for the Koosharem Mine. The Koosharem Mine is currently permitted with Interstate Brick Company as the operator. The reclamation surety currently in place is a surety bond with St. Paul Fire and Marine for \$37,300 to cover a proposed disturbance of 15.25 acres. The reclamation surety required by the Division in the final approval letter of May 3, 1991 was \$20,300 for approximately 6.5 acres of disturbance. Interstate Brick Company chose to leave the higher surety in place at that time.

The Division has revised the reclamation estimate to reflect the current site conditions documented during the September 4, 1997 inspection. The current amount of reclamation surety required by the Division is \$15,200 in terms of year 2003 dollars. A copy of the Division's revised reclamation estimate of March 20, 1998 is attached.

The Division will probably need to present the \$15,200 replacement reclamation surety to the Board of Oil, Gas and Mining before a permit transfer can be approved. The new reclamation surety and a completed reclamation contract will need to be received by the Division by April 3, 1998 in order to list this matter on the agenda for the next scheduled Board Hearing on April 22, 1998. Your replacement surety would not need to be "in effect" until the date of the hearing. The current reclamation surety posted by Interstate Brick Company would be released after the Board accepts the replacement surety and the Division approves of the transfer. A completed large mine permit transfer form which has been signed by both parties and notarized will need to be received by the Division prior to the April 22, 1998 Board Hearing. The next deadline for the Division receipt of agenda items would be May 8, 1998 for the May 27, 1998 Board Hearing.

Please inform us of your proposed type of reclamation surety so we can provide you with the appropriate Division forms. Enclosed for your use are (1) a Reclamation Contract Form (Form MR-RC) with accompanying instructions, and (2) a Large Mining Operation Permit Transfer (Form MR-TRL).

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March 24, 1998

For this transfer, the approximate site map prepared by the Division for the March 20, 1998 reclamation estimate will be used to represent the current site conditions (copy of map attached). This map is a modified version of the field notes map attached to the September 4, 1997 inspection memo. *An updated surface facilities map will need to be submitted to the Division within six months of the transfer approval.* The acreage proposed in the original 1980 Notice of Intent submitted by Interstate Brick was 15.25 acres. The current site disturbance is estimated as 6.5 acres.

Based on discussions held during the site inspection of September 4, 1997, you have no intention of reimpacting those mining disturbances located on USFS lands in section 11. You intend to continue operations on the State Lease covering the SE 1/4 of the SE 1/4 of section 2, T27S, R2W. You intend to utilize the existing mine access roads. Division files indicate the USFS released the reclamation surety posted by Interstate Brick for those disturbances on section 11. You may modify the current mining plan at any time after the transfer is approved by submitting the necessary information as described by sections R647-4-118 or R647-4-119 of the Minerals Rules.

Thank you for your cooperation in performing this permitting action. If you have any questions regarding this letter please call me at (801) 538-5267 or Wayne Hedberg at (801)5385286.

Sincerely,



D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

jb

Attachments: Division Reclamation Estimate of 3/20/98, Division Approximate Site Map

Enclosures: Form MR-RC & guidelines, Form MR-TRL

cc: Jerry North, Interstate Brick w/attachments

John Blake, SITLA, (ML27110) w/attachments

m31-02tr.ans

1	RECLAMATION SURETY ESTIMATE				
2	Don Fullmer - Paradise Management Company	last revision		03/20/98	
3	Koosharem Mine	filename m31-02tr.wb2		page "ESTIMATE"	
4	M/031/002	Piute County			
5	Prepared by Utah State Division of Oil, Gas & Mining				
6	-This estimate is based on site conditions observed during the Division inspection of 9/4/97				
7	-This site is to be transferred from Interstate Brick Company to Don Fullmer				
8	-The previous reclamation estimate of 4/3/91 totaled \$20,300 for 6.5 acres of disturbance				
9	-This estimate is for reclamation of mining disturbances located on State Section 2, T27S, R2W				
10	-Pit highwalls to be reduced to 3H:1V (earthen materials) or less than 45 degrees if in bedrock				
11	-All compacted areas (roads, pads, etc.) will be ripped to a 12 inch depth prior to topsoiling or seeding				
12	-Waste materials or overburden to be used in highwall backfill or surface regrading				
13	-The limited amount of salvaged topsoil will be placed in a minimum 6 inch depth to create "islands"				
14	-The entire disturbed area will receive revegetation treatments of mulch, fertilizer & seed				
15	-This site was previously permitted with Interstate Brick Company as the operator				
16	-Acreages & volumes used in this calculation are subject to change based on an updated surface map				
17	-An updated reclamation treatments map is also needed				
18	-ASSUME ACREAGE: PIT = 3 ACRE, PADS & STOCKPILES =2 ACRE, ROADS =1.5 ACRE				
19	-Amount of disturbed area which will receive reclamation treatments =			6.5 acres	
20	-Estimated total disturbed area for this mine =			6.5 acres	
21	Activity	Quantity	Units	\$/unit	\$
22	Regrading scale area	500	CY	0.47	235
23	Regrading highwall to 3H:1V	3,000	CY	0.47	1,410
24	Regrading general site (pit, pad, road)	1,000	CY	0.47	470
25	Ripping pit floor to 12 inch depth	3.0	acre	224	672
26	Ripping stockpile pads & compacted areas	2.0	acre	224	448
27	Ripping access roads	1.5	acre	224	336
28	Regrading access road section (ASSUMED)	0.5	acre	619	310
29	Surface drainage restoration (ASSUMED)	500	LF	0.15	75
30	Topsoil replacement (VOL ASSUMED)	4,000	CY	0.47	1,880
31	Mulching (2 ton/acre alfalfa)	6.5	acre	160	1,040
32	Drill seeding (~13 lb/acre)	6.5	acre	170	1,105
33	General site cleanup & trash removal	6.5	acre	50	325
34	Equipment mobilization	2	equip	1,500	3,000
35	Reclamation Supervision	3	days	363	1,089
36		Subtotal			12,395
37	10% Contingency				1,239
38		Base amount 1998-\$			\$13,634
39	Escalate for 5 years at 2.24% per yr				1,597
40		Total			\$15,231
41		Rounded surety amount in yr 2003-\$			\$15,200
42	Average cost per disturbed acre =		\$2,338		

Note	
(1)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, mtl 2550 lb/CY, 100 ft push, 1 ft depth
(2)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, mtl 2550 lb/CY, 100 ft push, 3 ft depth
(1)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, mtl 2550 lb/CY, 100 ft push, 1 ft depth
(3)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, multi shank rippers, speed 1.0 mph
(3)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, multi shank rippers, speed 1.0 mph
(3)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, multi shank rippers, speed 1.0 mph
(4)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N., U, mtl 2550 lb/CY, 75 ft push, 1 ft depth
(5)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, mtl 2550 lb/CY, 50 ft push, vol 0.5CY/LF-berm assume
(1)	Means 1998 & Rental Rate Blue Book 4/97: Cat D8N, U, mtl 2550 lb/CY, 100 ft push, 1 ft depth
(A)	DOGM general estimate - mulching (mulch \$120/acre + equip & labor \$40)
(B)	DOGM general estimate - drill seeding (seed \$110/acre + equip & labor \$60/acre)
(C)	DOGM general estimate - site cleanup & trash removal (\$50/acre)
(D)	DOGM estimate - equipment mobilization - \$1,500/equip due to steep access road
(6)	Means 1998, 010-036-0180, project manager, minimum \$1815/wk

KOOSHAREM
M/031/002
SE 1/4 SE 1/4 SE 1/4 AND
E 1/2 SW 1/4 SE 1/4 SE 1/4
SECTION 2, T27S, R2W

APPROXIMATE SITE MAP
BY DOGM 3/20/98
- NOT TO SCALE -

